### (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 19 May 2005 (19.05.2005)

### PCT

# (10) International Publication Number WO 2005/044361 A1

(51) International Patent Classification<sup>7</sup>: A61F 2/06, A61B 17/12

A61M 29/00,

(21) International Application Number:

PCT/SG2004/000319

(22) International Filing Date:

30 September 2004 (30.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 200306809-5

7 November 2003 (07.11.2003) SC

- (71) Applicant (for all designated States except US): MERLIN MD PTE LTD [SG/SG]; 29 Woodlands Industrial Park E1, #04-13/14 Northtech (Lobby 3), Singapore 757716 (SG).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GANDHI, Deepak [US/SG]; 161, Killiney Road, #09-02, Singapore 239569 (SG). RUDAKOV, Leon [US/US]; 22 Arroyo View Circle, Belmont, California 94002 (US). O'CONNOR, Michael [US/SG]; 335 Ang Mo Kio Ave 2, Singapore 560335 (SG).
- (74) Agent: ALBAN TAY MAHTANI & DE SILVA; 39 Robinson Road, #07-01 Robinson Point, Singapore 068911 (SG).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### Declaration under Rule 4.17:

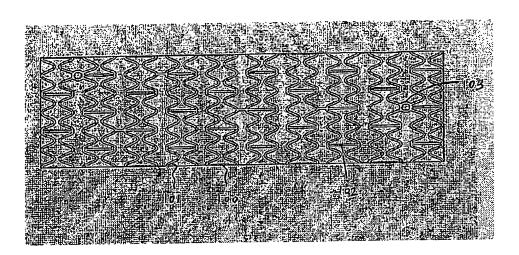
of inventorship (Rule 4.17(iv)) for US only

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPLANTABLE MEDICAL DEVICES WITH ENHANCED VISIBILITY, MECHANICAL PROPERTIES AND BIO-COMPATIBILITY



(57) Abstract: An implantable mechanical device for insertion into a passage, where the device is made from a platinum alloy selected from the group consisting of platinum: iridium alloy, platinum: tungsten alloy, platinum: rhodium:ruthenium alloy, platinum: rhodium alloy and platinum: nickel alloy.